

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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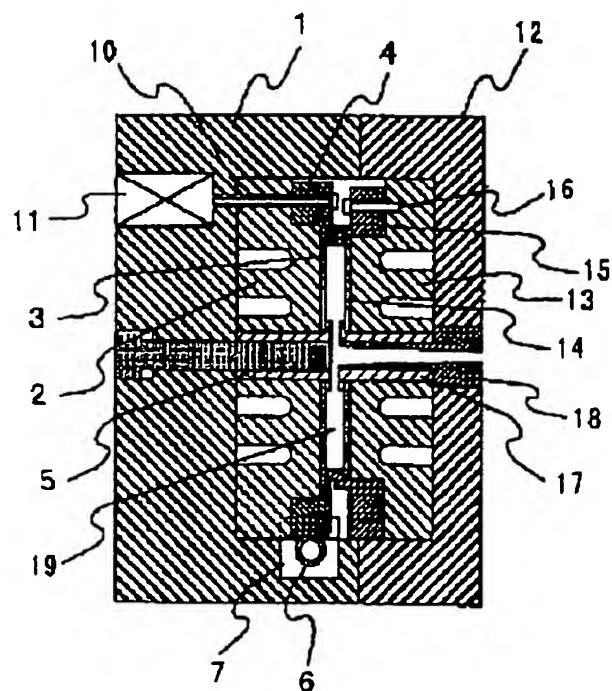
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APPLICANT : HITACHI MAXELL LTD;

INVENTOR : OTA NORIO;

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TITLE : MOLD DEVICE



**ABSTRACT :** PROBLEM TO BE SOLVED: To facilitate a highly accurate registering by setting and positioning a stamper as being mounted on the mold movable side in the peripheral direction and at an arbitrary angle with reference to the start or completion of recording area of the stamper mounted on the stationary side.

SOLUTION: A movable side mirror surface block 2 is fitted in a movable side base 1 and a stamper 3 is held between an outer periphery holding rotation ring 4 and an inner peripheral holder 5, and a stationary side mirror surface 13 is fitted in a stationary side base 12, and a stamper 14 is held between an outer periphery holding rotation ring 15 and an inner peripheral holder 17. Into the cavity 19 formed with the bases 1, 12 and stampers 3, 14 molten resin is injected and filled up through a sprue 18 so as to transfer information signals on both surfaces of the substrate. A tooth wheel set on the outer periphery of the outer periphery holding rotation ring 4 is meshed with a screw tooth wheel 6 in order to conduct the shaft 7 of the tooth wheel outward via a bearing buried in the base 1 with a rotational fine dimension measuring tool equipped on its outer wall surface. Thus, peripheral directional angles of the disk substrate table and recording area starting position can be arbitrarily positioned highly accurately.

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